

Comparisons of Job Characteristics

Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)

Associated Occupation: Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)

Associated Occupation: Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Building and Construction	4.0	14.3	16.6	> Current knowledge level is likely sufficient
Mechanical	6.8	12.8	17.0	>> Current knowledge level is likely more than sufficient
Public Safety and Security	6.9	11.5	7.1	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 70

Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)

Associated Occupation: Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Repairing	3.4	7.7	8.4	0 Current skill level may be sufficient
Equipment Selection	3.3	5.2	6.0	> Skill level is likely sufficient
Installation	1.7	5.0	5.5	> Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)**Associated Occupation: Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Extent Flexibility	4.8	11.0	11.5	0	Current ability level may be sufficient
Manual Dexterity	6.5	9.6	10.6	>	Current ability level is likely sufficient
Trunk Strength	5.7	9.0	9.2	0	Current ability level may be sufficient
Static Strength	5.0	8.6	9.2	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	6.1	8.0	>	Current ability level is likely sufficient
Dynamic Strength	3.5	5.6	6.3	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)**Associated Occupation: Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015)**

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Apply adhesives, caulking, sealants, or coatings	45
Assemble and install pipe sections, fittings, or plumbing fixtures	71
Build or repair structures in construction, repair, or manufacturing setting	54
Clean equipment or machinery	20
Clean rooms or work areas	30
Cut, bend, or thread pipe for gas, air, hydraulic, or water lines	84
Cut, shape, fit, or join wood or other construction materials	58
Fabricate, assemble, or disassemble manufactured products by hand	11
Measure and mark reference points or cutting lines on workpieces	66
Move or fit heavy objects	8
Repair or replace gas, steam, sewer, or water piping or fixtures	82
Use acetylene welding/cutting torch	54
Use basic plumbing techniques	72
Use hand or power tools	2
Use measuring devices in construction or extraction work	41
Use pipe fitting equipment	80

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)**Associated Occupation: Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015)**

Tools and Technologies	Exclusivity
Acceleration and vibration measuring instruments	56
Aerial lifts	13
Bandsaws and accessories	26
Cameras	2
Cleaning equipment	11
Compressors	9
Cutting and crimping and punching tools	3
Dispensing tools	6
Drilling and operation machinery	29
Earth moving machinery	11
Electrical measuring and testing equipment	7
Face and head protection	7
Fall protection	16
Fastener setting tools	12
Fluid and gas regulators	70
Forming tools	2
Gas analyzers and monitors	10
Holding and clamping tools	3
Humidity and moisture measuring instruments	15
Indicating and recording instruments	2
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machine tools	7
Marking tools	11
Measuring and layout tools	3
Metal bending and forming machinery	17
Metal fabricating dies	80
Metals and metallurgy and structural materials testing instruments	15
Non destructive examination equipment	13
Passenger motor vehicles	13
Personal communication devices	2
Pneumatic tools	8
Power generators	16
Power tools	2
Pressure measuring and control instruments	10
Product and material transport vehicles	13
Prying and bending tools	10
Pumps	9
Rough and finishing tools	5
Sampling equipment	12
Soldering and brazing and welding machinery and supplies	6
Special tooling fixtures	16
Surveillance and detection equipment	11

Temperature and heat measuring instruments	6
Tool attachments and accessories	12
Transportation related equipment and instruments	29
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.